

CHERNOBROVINA, S. M.; ZHIGAL'TSEVA, M. I.

Preliminary results of using electric equipment in orchards
in Moldavia. Izv. AN Mold. SSR no.9:68-75 '62.

(MIRA 16:1)

(Moldavia—Fruit—Diseases and pests)
(Moldavia—Insect traps)

ZHIGAL'TSEVA, M. I.; TERESHKO, L. I.

Some data on the damaging effects of Auchenorrhyncha (Homoptera)
in the forests and orchards of the Moldavian S.S.R. Ent. oboz.
41 no.4:741-745 '62. (MIRA 16:1)

1. Kafedra zoologii bespozvonochnykh Kishinevskogo gosudarst-
vennogo universiteta, Kishinev.

(Moldavia—Auchenorrhyncha)
(Moldavia—Forest insects)
(Moldavia—Fruit—Diseases and pests)

ZHIGAL'TSEVA, M.I., kand.sel'skokhoz.nauk

Bendery Station for Plant Protection and Information. Zashoh.
rast. ot vred. i bol. 6 no.5:39-40 My '61. (MIRA 15:6)
(Bendery District (Moldavia)—Plants, Protection of)

ZHIGAL'TSEVA, M.I.

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Fruit and Berry Crops

Sbs Jour : Ref Zhur - Biol., No 11, 1958, No 49627

Author : Zotsenko L.N., Zhigal'tseva M.I.

Inst : All-Union Institute of Plant Protection, Mold-
avian Station

Title : The Use of Aerosol in the Control of Pests of
Fruit Crops

Orig Pub : Sb. tr. Mold. st. Vses. in-ta zashchity rast.,
1958, vyp. 2, 89-102

Abstract : Aerosols were tested against larvae of the apple
and fruit moths and the Rosaceous leaf-roller,
aphids and Psylla pyri L., fruit mites and the
San Jose moth, certain imago (butterflies) and
the whole complex of garden pests. The aerosols
were not effective against all varieties of pests.
They destroyed the useful insects. The combined

Card : 1/2

I 08281-67 EWT(1) JK
ACC NR: AP7001081 (11)

SOURCE CODE: UR/0439/66/045/003/0375/0382

AUTHOR: Zhigal'tseva, M. I.; Chernobrovina, S. M.

ORG: Kishinev State University (Kishinevskiy gosudarstvennyy universitet);
Institute of Applied Physics, AN Moldavian SSR, Kishinev (Institut prikladnoy fiziki
Akademii nauk Moldavskoy SSR)

TITLE: Application of ultraviolet-ray sources to insect pest control

SOURCE: Zoologicheskiy zhurnal, v. 45, no. 3, 1966, 375-382

TOPIC TAGS: insect, insect reproduction, disease vector, insecticide, pest,
ultraviolet light

ABSTRACT: The following genera of the insects were tested with respect to their
response to visible light including the ultraviolet light region: Homoptera,
Cicadina, Psylloidea, Aphidoidea, Coccoidea, Coleoptera, Cerambycidae,
Scarabaeidae, Curculionidae, Ipidae, Diptera, Lepidoptera, Tortricidae, Cossidae,
Gracilariidae, Glyptopterygidae, Plutellidae, Hyponomeutidae, Lyonettidae,
Cemiostomidae, Coleophoriidae, Gelechiidae, Pieridae, Lasiocampidae, Orgyidae,
Noctuidae, Arctiidae, Aegeriidae, and Hymenoptera. The actual field testing

Card 1/2

UDC: 595.7:579.6

L 08284-67

ACC NR: AP7001081

indicates that it is mainly the young unfertilized or nulliparous females that are attracted to light. By the selective application of various light sources it is possible to attract predominantly harmful or innocuous insects. The former may subsequently be exterminated by insecticides. It is concluded that light sources of various types could be used for selective attraction of different insect species, thus making it possible to estimate the insect population and reproduction of a given genus and to carry out a series of studies related to the disease-vector problem. Orig. art. has: 2 figures and 7 tables. [WA-50]

SUB CODE: 06/SUBM DATE: none/ORIG REF: 009/OTH REF: 005/

Card 2/2 LS

ACC NR: AP6032504

(A,N)

SOURCE CODE: UR/0413/66/000/017/0070/0070

INVENTOR: Zhigach, A. F.; Sobolevskiy, M. V.; Sorokin, P. Z.; Sarishvili, I. G.; Shpak, V. S.; Vilesova, M. S.

ORG: none

TITLE: Preparative method for boron-containing polymers. Class 39, No. 185487

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 70

TOPIC TAGS: ~~boron-containing polymer~~, liquid polymer, ~~low-molecular-weight polymer~~, chemical synthesis, glycol, polyester resin, decaborane, dicarboxylic acid

ABSTRACT: An Author Certificate has been issued for a method for preparing boron-containing liquid polymers with a molecular weight of 1500—3000 based on polyester-decaborilene [sic]. The method involves preparation of two individual low-molecular-weight esters by reacting at 180C: 1) di(hydroxymethyl)decaborilene [sic] with a dicarboxylic acid [unspecified]; and 2) the dicarboxylic acid with a glycol [unspecified]. The two esters are mixed, heated to about 200C, and held at this temperature in a inert gas for about 50 hr.

SUB CODE: 21, 07/ SUBM DATE: 21Jul62/

Card 1/1

UDC: 678.86.27

ZHIGAN, H.; MEKSIN, D., agronom

That's how it will be in the forthcoming seven-year plan.
Eauka i pered.op. v sel'khoz. 9 no.3:5-8 Mr '59.

(MIRA 12:5)

1. Predsedatel' kolkhosa imeni Lenina, Solonyanskogo rayona,
Dnepropetrovskoy oblasti (for Zhigan).
(Agriculture)

ZHIGANOV, B.

Stand for the demonstration of graphic visual aids. Geog. v
shkole 25 no.4:62-63 JI-Ag '62. (MIRA 15:8)
(Schools--Furniture, equipment, etc.)

ZHIGANOV, N.

Increase in the low-frequency amplification factor in the "Ur. 1-49" radio-
phonograph. Radio no. 8:22 Ag '53. (MIRA 6:8)

(Radio--Receivers and reception)

6(6)
AUTHOR: Zhiganov, V. A., Delegation Leader, Secretary SOV/111-59-8-28/30
TITLE: The Consolidation of Friendship with Japanese Communications Workers
PERIODICAL: Vestnik svyazi, 1959, Nr 8, pp 31-33 (USSR)
ABSTRACT: This article is an account of a recent trip to Japan by a delegation of the TsK profsoyuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseynykh dorog (Central Committee of the Communications, Auto-Transport and Highway Workers Union) at the invitation of the Natsional'nyy profsoyuz rabotnikov elektrosvyazi Yaponii (National Union of Electrical Communications Workers of Japan (Zendentsu). . . A delegation of the Japanese union had visited the USSR at the end of 1958. The author tells of the places visited by the delegation, people they met, meetings they attended, and conversations they had during their stay in Japan, and the account is largely a vehicle for propaganda. In conclusion, the author notes that the leaders of the Japanese unions responded readily to the suggestion of the Soviet delega-

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The Consolidation of Friendship with Japanese Communications Workers

SOV/111-59-8-28/30

tion of a regular correspondence and exchange of materials and information by both sides.

ASSOCIATION: TsK profsoyuza rabotnikov svyazi, rabotnikov avtomobilnogo transporta i shosseynykh dorog (Central Committee of the Communications, Auto-Transport and Highway Workers Union)

Card 2/2

ZHIGANOV, Yu. I., Cand Agric Sci (diss) -- "Keeping of acorns". Moscow, 1959.
20 pp (Min Higher and Inter Spec Educ RSFSR, Moscow Forestry Engineering Inst),
125 copies (KL, No 10, 1960, 134)

KORSHUNOV, M.A.; ZHIGANOVA, T.I.

Nutrient dynamics of gray, slightly Podzolic forest soils in the
fallow field of the rotation of crops. Izv. Kazan. fil. AN SSSR.
Ser. biol. nauk no.5:69-87 '56. (MIRA 10:6)
(Soil chemistry) (Rotation of crops)

ZHIGAR, L.P.

25(1,6) PHASE I BOOK EXPLORATION 307/592

Alendiyu mark SSR. Institut mashinovedeniya

Сборник работ по теме: "Основы метрологии и точности изготовления машин" (Basic Problems of Accuracy and Interchangeability and Engineering Measurements in Machine Building). Moscow, Mashin, 1958. 411 p. 4,500 copies printed.

Ed.: A.M. Gavrilov, Doctor of Technical Sciences, Professor; Tech. Ed.: A.Y. Medvedev, Managing Ed. for Literature on Metal Working and Tool Making (Mashin); R.D. Bayzel'man, Engineer.

PURPOSE: This collection of articles is intended for engineering and scientific workers and for teachers and students of machine and instrument building schools.

COVERAGE: This collection of articles presents the results of a conference on basic problems of accuracy, interchangeability and engineering measurements, convened in March 1956 by the Machine Building Technology Commission of USSR AN SSSR (Institute of Machine Construction of the Academy of Sciences, USSR), the State Committee for Modern Technology, the Committee for Standard Weights and Measuring Instruments under the Council of Ministers, USSR, the Ministries for Machine Building and the Ministry of Higher Education of the USSR. In the articles dealing with accuracy of fabrication, problems of the theory and practice of calculating accuracy of standard processes and standard products are discussed. In the articles on interchangeability of parts, problems of the theory and practice of standardization of parts and assemblies are discussed. The present state of this field is presented along with the scientific and engineering problems of the future. Theoretical and practical problems of automatic inspection are discussed. No personalities are mentioned. There are 140 references of which 121 are Russian, 10 German, 8 English, 1 French.

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Basic Problems of Accuracy (Cont.)	307/592
Baranov, G.D., Doctor of Technical Sciences, Professor. Present State and Problems of Soviet and International Work in the Field of Metrology	254
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Card 6/8

25(1)

SOV/28-59-3-14/25

AUTHOR:

Zhigar, L.P., Candidate of Technical Sciences

TITLE:

Specifications of Instruments for Measuring Cylindrical Gears (Trebovaniya k priboram dlya izmereniya tsilindricheskikh zubchatykh koles)

PERIODICAL:

Standartizatsiya, 1959, Nr 3, pp 43 - 44 (USSR)

ABSTRACT:

Information is given on details of the new "GOST 5368-58" - "Instruments for Measuring Cylindrical Gears. Basic Technical Specifications." - that replaced the old "GOST 1643-56" on 1 Januyry 1959. It includes the whole range of instruments for the gears by the "GOST 1643-56", up to 5,000 mm diameter and 50 mm module, subdivides the instruments into four groups: 1) measuring the kinematic accuracy; 2) the smooth-

Card 1/2

SOV/28-59-3-14/25

Specification of Instruments for Measuring Cylindrical Gears

ness of running; 3) the contact; 4) the backlash. The permissible measurement error corresponds to 40% (50% in separate cases) of tolerances by the "GOST 1643-56" for class "A" (high accuracy) gears, and 30% of tolerances for the class "B" gears, the errors of the indicating and recording devices included. The permissible error varies as a function of the gear size. It is required that the instruments be supplied with the full set of appliances. Soviet industry does not yet produce all the instruments covered by the "GOST," but the measurements are possible now.

ASSOCIATION: Byuro vzaimozamenyayemosti v metalloobrabatyvayushchey promyshlennosti (Bureau of Interchangeability in the Metal-Working Industry)

Card 2/2

ZHIGAR, L.P.; GOLOVINA, A.M.

Standardization of the structural elements of medical instruments. Med. prom. 15 no.6:12-14 Je '61. (MIRA 15:3)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.

(MEDICAL INSTRUMENTS AND APPARATUS)

ZHIGAR, L. P.

"Measurement of Gear Wheels of Large Diameters and High Modules." Sub 26 Dec 51,
Moscow Machine-Tool and Tool Inst imeni I. V. Stalin

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

ZHIGAREV, A.

Through our country. IUn.tekh. 3 no.1:23-25 Ja '59.
(MIRA 12:1)
(Schools)

ZHIGAREV, A.

Wide horizons. IUn.tekh. 4 no.12:14-17 D '59.
(MIRA 13:4)
(Electronic apparatus and appliances)

VAYNERB, Ye.A.; MILYUTIN, V.I.; ZHIGAROV, A.A., redaktor; BABOCHKIN, S.N.,
tekhnicheskiiy redaktor

[Electronic optics] Elektronnaia optika. Moskva, Gos.energ.izd-vo,
1951. 239 p. (MLRA 10:10)
(Electron optics)

1. ZHIGAREV, A. A.
2. USSR (600)
4. Physics and Mathematics
7. Electronics, A. A. Zhigar v (general editor). (Moscow-Leningrad, State Power Press, 1951). Reviewed by N. A. Kaptsov, Sov. Kniga, No. 9, 1952.

9. Report U-3081, 16 Jan 1953, Unclassified.

SHAPOSHNIKOV, A.A., d. 1942; ZHIGAREV, A.A., redaktor; TYAGUNOV, G.A., redaktor.

[Electronic and ionic instruments] Elektronnye i ionnye pribory. [4. izd.,
perer.] Moskva, Gos. energ. izd-vo, 1952. 336 p. (MLRA 7:1)
(Electron tubes)

MULYAROV, M.Ya.; ZHIGAREV, A.A., redaktor; FRIDKIN, A.M., tekhnicheskii
redaktor

[Cathode-ray apparatus] Elektronno-luchevye pribory. Leningrad,
Gos. energ. izd-vo, 1954. 247 p. (MLRA 7:9)
(Electron optics)
(Electronic apparatus and appliances)

ZHIGAREV, A. A.

A. A. Zhigarev, M. I. Men'shikov, G. A. Tyagunov, Vakuumnaya tekhnika / Vacuum Technology, series of instructional charts, Gosenergoizdat, 12 charts, 5,000 copies 1954

This series of instructional charts consists of colored placards, each of which shows pictures of different pieces of vacuum apparatus, indicates the principles of their operation, the place of application, and their main parameters: rotary pump for preliminary rarefaction; metal steam-jet high-vacuum pumps; details of glass vacuum installations; manometers for low-pressure measurements; a modern vacuum assembly, designed to exhaust large volumes; a laboratory-type glass vacuum installation; leak-finders.

The material of these tables is designed for the intermediate technical staff (technicians, laboratory assistants) of plants and laboratories, who deal with vacuum instruments and installations, and also for engineers of specialties involving vacuum technology.

SO: U-6472, 23 Nov 1954

ZHIGAREV, A.A.; MEN'SHIKOV, M.I.; TYAGUNOV, G.A.

[Vacuum apparatus; study charts] Vakuunnaia tekhnika; uchebnye
tablitsy. Moskva, Gos. energ. izd-vo, 1955. (MLRA 9:5)
(Vacuum apparatus)

ZHIGAREV, A.A.

Analog presentation of the trajectories of charged particles. Sber.
nauch.rab. MIFI no.9:49-56 '55. (MIRA 10:1)
(Particles) (Electrolysis)

Л. И. Г. А. К. Е. В. А. П.

CHECHIK, Nikolay Oskarovich; BERQ, A.I., redaktor; DZHIGIT, I.S., redaktor;
YELIN, O.G., redaktor; KULIKOVSKIY, A.A., redaktor; MOZHZHEVKLOV, B.M.
redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM B.F,
redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; ZHIGAREV,
A.A., redaktor; VORONIN, K.P., tekhnicheskiy redaktor.

[Photoelectric cells and their use] Fotoelementy i ikh primeneniye
Moskva, Gos.energ.izd-vo, 1955. 111 p. (Massovaya radiobiblioteka
no.228)

(MLRA 8:11)

(Photoelectric cells)

SOBOL'VSKIY, Anatoliy Georgiyevich; ZHIGAR'EV, A.A., redaktor; VORONIN, K.P.,
tekhnicheskii redaktor

[Electron-beam oscillograph] Elektronoluchevoi ostsillograf. Moskva,
Fos. energ. izd-vo, 1956. 102 p. (Massovaya radiobiblioteka, no.256)
(Oscillograph) (MLBA 10:1)

PHASE I BOOK EXPLOITATION

1170

Vsesoyuznyy elektrotekhnicheskiy institut

Nizkiye temperatury i redkiye gazy (Low Temperatures and Rare Gases)
Moscow, Gosenergoizdat, 1958. 286 p. (Series: Its: Trudy, vyp. 61)
2,260 copies printed.

Ed. (title page): Fastovskiy, V.G.; Doctor of Technical Sciences; Ed. (inside book): Zhigarev, A.A.; Tech. Ed.: Larionov, G. Ye. Editorial Board of Series: Andrianov, K.A., Biryukov, V.G. (chief ed.), Butkevich, G.V. (deputy chief ed.); Granovskiy, V.L., Kalitvyanskiy, V.I., Timofeyev, P.V., Fastovskiy, V.G., Shemayev, A.M.

PURPOSE: This book is intended for scientists and technicians concerned with storing, handling, obtaining and utilizing atmospheric gases (especially oxygen and rare gases).

COVERAGE: The volume is one of a series published by the All-Union Electrical Engineering Institute imeni V. I. Lenin. The Collection includes main projects carried out during the period 1947-1955 by scientists and technicians of the Low-temperature Laboratory headed by Doctor of Technical Sciences, Professor

Card 1/5

Low Temperatures and Rare Gases

1170

V.G. Postovskiy, with Acting Senior Scientist, Candidate of Technical Sciences Yu.V. Petrovskiy, and Senior Scientist, Candidate of Technical Sciences A.Ye. Rovinskiy. Engineer A.A. Vlasova and Senior Technician Z.N. Kosova took part in the experimental work. References are given at the end of each article.

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AVAILABLE: Library of Congress

Card 5/5

TM/gmp
1-18-59

MARCHENKO, Vladislav Borisovich; ZHIQARNV, A.A., red.; VORONIN, K.P., tekhn.
red.

[Modern cathodes] Sovremennye katody. Moskva, Gbs. energ. ind-vo,
1958. 29 p. (Massovaya radiobiblioteka, no.305). (MIRA 11:10)
(Cathodes)

CHEREPNIN, N.V.; ZHIGAREV, A.A., red.; BORUMOV, N.I., tekhn.red.

[Electron tubes for broad-band amplifiers] Elektronnye lampy
dlia shirokopolosnykh usilitel'ei. Moskva, Gos. energ. izd-vo,
1958. 109 p. (MIRA 12:2)
(Amplifiers, Electron-tube) (Electron tubes)

TYAGUNOV, G.A., prof.; AZAT'YAN, A.D.; ALEKSANDROV, A.G.; ANTIK, I.V.;
VASIL'YEV, N.N.; ZHIGAREV, A.A.; KORSHUNOV, S.I.; LEBEDEV, I.V.;
NILENDER, R.A.

[Electronic vacuum devices; operating conditions, parameters,
and characteristics] Elektrovakuumnye pribory; rezhimy,
parametry i kharakteristiki. Moskva, 1960. 20 p. (Sborniki
rekomenduemykh terminov AN SSSR, Kom.tekhn.terminologii, no.54)
(MIRA 14:4)

1. Akademiya nauk SSSR. Komitet tekhnicheskoy terminologii.
(Electron tubes)

BARANOVSKIY, Viktor Iosifovich; ZHIGAREV, A.A., kand. tekhn. nauk, red.;
VORONIN, K.P., tekhn. red.

[Electron-beam tubes] Elektronno-luchevye trubki. Moskva, Gos.
energ. izd-vo, 1961. 223 p. (MIRA 14:8)
(Cathode ray tubes)

TYAGUNOV, Georgiy Aleksandrovich. Prinsipialnye uchastiki: ZHIGAREV, A.A.,
kand. tekhn. nauk; VAL'DNER, O.A., kand. tekhn. nauk;
SHAL'NOV, A.V., kand. tekhn. nauk; CHISTYAKOV, P.N., kand.
tekhn. nauk; YUDINSKAYA, I.V., starshiy prepodavatel';
FRIDKIN, A.M., tekhn. red.

[Electron-tube and transistor devices (physics, fundamental
theory, and principal designs)] Elektrovakuumnye i poluprovod-
nikovye pribory (fizika, elementarnaya teoriya, osnovnye kon-
struktsii). Moskba, Gos. energ. izd-vo, 1962. 398 p.

(MIRA 15:4)

(Electron tubes)

(Transistors)

AUTHORS: Tyagunov, G.A., Prudkovskiy, G.P., Zhigarev, A.A., and Erglis, K.E. SOV/19-58-6-358/685

TITLE: An Instrument for Automatically Tracing the Trajectories of the Motion of Charged Particles in Electric Fields (Pribor dlya avtomaticheskogo postroyeniya trayektoriy dvizheniya zaryazhennykh chastits v elektricheskikh polyakh)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 80 (USSR)

ABSTRACT: Class 42a, 20. Nr 113407 (550635 of 23 Apr 1956). Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. An instrument as specified in the title, containing an electrolytic bath modulating the electric field and including a measuring probe connected with a three-wheeled carriage bearing a writing device and a functional computing element reproducing the turn angle of the carriage steering wheel; to make possible the tracing

Card 1/2

ACC NR: AM5003728

Monograph

UR/

Zhigarev, Andrey Aleksandrovich

Electron beam instruments (Elektronno-luchevyye pribory) Moscow, Izd-vo
"Energiya", 65. 0335 p. illus., biblio. 10,000 copies printed.

TOPIC TAGS: electron optics, electron tube, image tube, transmit receive tube,
electronic equipment.

PURPOSE AND COVERAGE: The book presents the fundamentals of electronic optics important for understanding the working principles and physical processes of electron beam instruments. In detail the component parts of electron-beam devices are examined: electron projectors, deflecting systems and luminescent screens. Widely distributed electron-beam instruments, oscilloscope and television tubes, potentiometers, image translators, are described. The book is intended for a wide circle of engineering, technical and scientific workers. It can be of use also to students in higher grades of higher technical schools.

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ACC NR: AM6003728

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Ch. IV. Luminescent screens --147
Ch. V. Oscilloscope and radar tubes --170
Ch. VI. Picture tubes -kinescopes -215
Ch. VII. Memory tubes --250
Ch. VIII. Image converter tubes --280
Ch. IX. Camera tubes --291
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SUB CODE: 09, 20 / SUBM DATE: 19Jul65/ ORIG REF: 031/ OTH REF: 004

Card 2

ZHIGAREV, A.A.; SHERESHEVSKIY, A.M.

Trajectory plotter for constructing trajectories in nonuniform
crossed electric and magnetic fields. Fiz. elek. no.1:3-7 '62.
(MIRA 17:1)

AKISHIN, Anatoliy Ivanovich; ZHIGAREV, A.A., red.; BUL'DYAYEV, N.A.,
tekhn. red.

[Ion bombardment in a vacuum] Ionnaia bombardirovka v vaku-
ume. Moskva, Gosenergoizdat, 1963. 143 p. (MIRA 16:10)
(Ion beams) (Vacuum apparatus)
(Secondary electron emission)

ZHIGAREV, A. A.

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Nauchnaya konferentsiya...

S/059/62/013/006/019/027
B102/B186

design of 30-Mev electron linear accelerator; Ye. G. Pyatnov, A. A. Olaskov, V. G. Lopato, A. I. Finogenov, G. M. Skepskiy, V. D. Seleznev, experimental characteristics of low-energy electron linear accelerators; G. A. Zeytlenk, V. M. Levin, S. I. Piskunov, V. L. Smirnov, V. K. Khokhlov, radio-circuit parameters of RYB (LUE)-type accelerators; G. A. Tyagunov, O. A. Val'dner, B. M. Gokhberg, S. I. Korshunov, V. I. Kotov, Ye. M. Moroz, accelerator classification and terminology; O. S. Milovanov, V. B. Varaksin, P. R. Zenkevich, theoretical analysis of magnetron operation; A. G. Tragov, P. R. Zenkevich, calculation of attenuation in a diaphragmated waveguide; Yu. P. Lazarenko, A. V. Ryabtshev, optimum attenuation length for linear accelerator; A. A. Zhigarev, R. Ye. Yeliseyev, review on trajectographs; I. G. Morozova, G. A. Tyagunov, review on more than 500 ion sources; M. A. Abroyan, V. L. Komarov, duoplasmatron-type source; V. S. Kuznetsov, A. I. Solnyshkov, calculation and production of intense ion beams; V. M. Rybin (Ye. V. Arzenskiy), inductive current transmitters of high sensitivity; V. I. Korosa, G. A. Tyagunov, kinetic description of linear acceleration of relativistic electrons; A. D. Vlasov, phase oscillations in linear accelerators; E. L. Burshteyn, G. V. Voskresenskiy, beam field effects in the waveguide of an electron linear accelerator; R. S. Bobovikov,

Card 3/4

35

Nauchnaya konferentsiya...

S/089/62/013/006/019/027
B102/B186

design of 30-Mev electron linear accelerator; Ye. G. Pyatnov, A. A. Olaskov, V. G. Lopato, A. I. Finogenov, G. M. Skepskiy, V. D. Seleznev, experimental characteristics of low-energy electron linear accelerators; G. A. Zeytlenk, V. M. Levin, S. I. Piskunov, V. L. Smirnov, V. K. Khokhlov, radiocircuit parameters of ЛУЭ (LUE)-type accelerators; G. A. Tyagunov, O. A. Val'dner, B. M. Gokhberg, S. I. Korshunov, V. I. Kotov, Ye. M. Moroz, accelerator classification and terminology; O. S. Milovanov, V. B. Varaksin, P. R. Zenkevich, theoretical analysis of magnetron operation; A. G. Tragov, P. R. Zenkevich, calculation of attenuation in a diaphragmated waveguide; Yu. P. Lazarenko, A. V. Ryabtsev, optimum attenuation length for linear accelerator; A. A. Zhigarev, R. Ye. Yeliseyev, review on trajectographs; I. G. Morozova, G. A. Tyagunov, review on more than 500 ion sources; M. A. Abroyan, V. L. Komarov, duoplasmatron-type source; V. S. Kusnetsov, A. I. Solnyshkov, calculation and production of intense ion beams; V. M. Rybin (Ye. V. Arsenkiy), inductive current transmitters of high sensitivity; V. I. Korosa, G. A. Tyagunov, kinetic description of linear acceleration of relativistic electrons; A. D. Vlasov, phase oscillations in linear accelerators; E. L. Burshteyn, G. V. Voskresenskiy, beam field effects in the waveguide of an electron linear accelerator; R. S. Bobovikov,

Card 3/4

MIKHAYLOV, Vladimir Andreyevich; ZHIGAREV, A.A., red.

[Electronics in municipal services] Elektronika v gorod-
skom khoziaistve. Moskva, Energiia, 1964. 335 p.
(MIRA 18:1)

ZHIGAREV, Andrey Aleksandrovich; CHERNYAK, L.Ye., red.

[Electron-beam devices] Elektronno-luchevye pribory.
Moskva, Energiia, 1965. 335 p. (MIRA 18:9)

ZEIGARNY, A.Y.

Modifications in the reontgenokymographic picture of the heart in
myocardial infarction in anamnesis. Vest. rent. 1 rad. no.6:12-17
N-D '54. (MLRA 8:1)

(MYOCARDIAL INFARCT. physiology,
roentgen kymography)

(KYMOCGRAPHY, in various diseases,
roentgen kymography in myocardial infarct)

NIKITIN, V., master; GRISHKO, M., brigadir slesarey; GORYUNOV, L., slesar';
YERSHOV, T., slesar'; ZHIGAREV, B., slesar'; KONOVALOV, V.,
slesar'; LYAPIN, K., slesar'; ROBOV, P., slesar'; TAMANOV, P.,
mashinist

When will the new acethylene generator be put into production?
Isobr. i rats. no.10:44 0 '58. (MIRA 11:11)
(Acethylene generators)

662.113

.27

Avtomobil'; Opisatel'Nyy Kurs (The Automobile; A Short Description, by)
F. N. Zhigarev (1 Dr.) Pod Redaktsiyey G. V. Zimileva. Moskva, Mashgiz,
1949, 1952, 1955 (4th Ed.)
V. Illus., Diags., Tables.

PH

ZHIGAREV, Feder Mikhaylovich; KARZINKIN, Sergey Ivanovich; KONKIN, P.I.,
podpolkovnik, redaktor; SOLOMONIK, P.L., tekhnicheskiy redaktor.

[Motorcycles] Mototsikly. Moskva. Voen. izd-vo Ministerstva obor.
SSSR, 1956. 270 p. (MIRA 9:5)

(Motorcycles)

AUTHOR: Zhigarev, L.

SOV-4-58-7-6/22

TITLE: Radar - Frontier Guard (Radiolokator - pogranichnik)

PERIODICAL: Znaniye - sila, 1958, Nr 7, p 15 (USSR)

ABSTRACT: The author stresses the well-known importance of radar as frontier guards in connection with the border incidence between American and Soviet planes over Soviet territory in June 1958. He quotes the leaflet by Ye. Smotritskiy "Radar Operator" (1957, DOSSAAF, Moscow) and cites the first Soviet scientists who did research work in this field, such as Academicians M.V. Shuleykin, B.A. Vvedenskiy, L.I. Mandel'shtam, N.D. Papaleksi, Ye.Ya. Shchegolev, Engineers N.F. Alekseyev and D.Ye. Malyarov, P.K. Oshchepkov, Yu.K. Korovin and B.K. Shembel'. There is 1 sketch.

Card 1/1

AUTHOR: Zhigarev, L. SOV-4-58-10-8/39

TITLE: Controlling the "Vitamins of the Air" (Upravlyat' "vitaminami vozdukha")

PERIODICAL: Znaniye - sila, 1958, Nr 10, pp 11 - 14 (USSR)

ABSTRACT: The author describes in fictionalized form the life of the Candidate of Medical Sciences F.G. Portnov, inventor of the aerosol-ionizer, an instrument to cure pulmonary diseases. It consists of a bottle filled with antibiotics and a metallic sprayer connected with a high-voltage current (up to 500 v). The instrument is so conceived that only negatively loaded particles of antibiotics are blown out and inhaled by the patient. There is 1 photo and 2 drawings.

Card 1/1

ZHIGAREV, L.

Houses are assembled like machines. Znan.sila 36 no.3:1-2 Mr '61.
(MIRA 14:3)
(Buildings, Prefabricated)

ZHIGAREV, L.

Fiction and Soviet reality. Znana. sila 36 no. 4:24d Ap '61.
(MIRA 14:4)

(Space flight)

ZHIGAREV, L.

End of an enormous falsification. Izobr.i rats. no.11:28-30 N '62.
(MIRA 15:12)

1. Zamestitel' glavnogo redaktora zhurnala "Znaniye - sila".
(Radar)

ZHIGAREV, L.

"Grey gold." Znan.sila 35 no.10:12-16 0'60.
(Cement)

(MIRA 13:11)

ZHIGARNY, L.

China's "big jump." Znan.sila 34 no.3:26-30 Nr '59.
(WIRA 12:4)
(China--Economic conditions)

ZHIGAREV, L.

Control the "Vitamins of the air". Znan. sila 33 no.10:11-14 0 '58.
(Portnov, Poma Grigor'evich) (MIRA 11:11)

ZHIGAREV, L.

Story about reinforced concrete. Znan.sila 30 no.7:25-30 J1'55.
(Reinforced concrete) (MLRA 8:10)

ZHIGAREV, L.

An inventor and his struggle. Znan. sila no.5:16-18 My '55.
(Brick industry) (MLRA 8:6)

ZHIQAREV, I.

Bricks and their rate. Znan.sila no.4:12-19 Ap '54. (MLRA 7:5)
(Brick industry)

ZHIGAREV, L.

~~Radar as a border guard.~~ Znan. sila 33 no.7:15 Jy '58.
(Radar) (Border guard) (MIRA 11:11)

ZHIGAREV, L.F.

The 3KNSh-2,8 mounted wide-row rod cultivator. Biul.tekh.-ekon.
inform.Gos.nauch.-issl.inst.nauch.i tekhn.inform. 16 no.6:60-62
'63. (MIRA 16:8)
(Cultivators)

KHAUSTOV, S.D.; ZHIGAREV, L.F.

Devices for mounting toothed harrows on cultivators. Biul. tekhn.
ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 16. no. 5:
56-58'63. (MIRA 16:7)

(HARROWS)

PANOV, I.M.; ZHIGAREV, L.F.

Machines for soil cultivation in orchards and vineyards, Bul.
tekh.-ekon.inform. no.5:55-59 '61. (MIRA 14:6)
(Fruit culture)

LIKHOYEDENKO, K.I.; PANYUSHKIN, S.H.; ZHIGAREV, L.F.

Working parts of plant hole diggers. Trakt. i sel'khoz mash. no.9:20-24
S '58.

(MIRA 11:10)

(Agricultural implements)

ZHIGAREV, L.F., inzh.

The KPG-4 hydraulic cultivator attachment for total area
cultivation. Trakt. i sel'khoz mash. no. 10:34-35 O '64.

(MIRA 17:12)
1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po
sel'skokhozyaystvennym i vinogradnikovym mashinam.

ZHIGAREV, L.Y.; IVANOV, S.M., red.; NAZAROVA, A.S., tekhn.red.

[Journey into group "A"] Puteshestvie v gruppu "A", Moskva, Izd-vo "Znanie," 1963. 474 p. (MIRA 17:2)

ZHIGAREV, Lev Viktorovich; AYDINOV, G., redaktor; KIRILLINA, L., tekhnicheskii redaktor;

[The beginning of an age] Nachalo veka. Moskva. Izd-vo TsK VILKSM
"Molodaiia gvardiia," 1955. 189 p. (MIRA 9:6)
(Building materials)

~~ZHIGAREV, I. V. Viktorovich~~; KUDRYAVCHIKOVA, V., redaktor; MUKHIN, Yu.,
tekhnicheskiiy redaktor

[The year 1960] God 1960-i.... Moskva, Gos.izd-vo polit.lit-ry,
1957. 173 p. (MIRA 10:11)
(Technology)

ZHIGAREV, Lev Viktorovich; DMITRIYEV, V.D., red.; MALIKOVA, L.A., red.;
TOKER, A.M., tekhn. red.; BARANOVA, N.N., tekhn. red.

[Houses rise into the future] Doma podnimalyutsia v budushchee.
Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 190 p.
(MIRA 15:4)

(Construction industry)

1. ZHIGAREV, N. YE.
2. USSR (600)
3. Wood Pulp Industry - Apparatus and Supplies
4. Portable barker drums.
Bum.prom. No. 10 - 1952

9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

ZHIGAREV, P.

11619

USSR/Holidays 3181.

Aug 1947

"Air Fleet Day," P. Zhigarev, 5 pp

"Vestnik Voz Flota" No 8 (342)

Discusses the creation of a new national holiday, Air Fleet Day, which is to be celebrated by all nationals and military personnel of the Soviet Union. It will be celebrated every year in connection with the historic day of the celebration of the anniversary of the October Revolution.

ID

11619

ZHIGAREV, P., general-polkovnik aviatsii.

Soviet Air Force. Kryl.red. 4 no.7:2-3 J1 '53.

(MLRA 6:7)
(Aeronautics)

Handwritten: H. G. BRY, F. V. L. F.

Handwritten: Copy 7

ZHIGAREV, P.

The Communist Party is the leader and organizer of victories of
the Great October. Grazhd. av. 14 no.10:2-5 0 '57. (MIRA 10:12)

1. Glavnyy marshal aviatsii.
(Communist Party of the Soviet Union)

84-58-1-3/32

AUTHOR: Zhigarev, P. F., Chief Marshal of Aviation, Chief of the Main Administration of the Civil Air Fleet under the Council of Ministers of the USSR

TITLE: Civil Aviation in 1958 (Grazhdanskaya aviatsiya v 1958 godu)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 1, pp 1-4 (USSR)

ABSTRACT: The Chief of the Aeroflot gives an account of the accomplishments and shortcomings of Soviet Civil Aviation during the year, including some statistical data as illustrations. The following achievements are mentioned: the introduction of the TU-104A, TU-110, TU-114, IL-18, and AN-10 turbojet and turboprop airliners, as well as the Mi-6 helicopter. The number of passengers carried by the TU-104 goes into hundreds of thousands. Dozens of TU-104 and TU-104A airliners are in scheduled operations on domestic and international routes, from Moscow to Khabarovsk, Tashkent, Tbilisi, Novosibirsk, Irkutsk, Peking, Prague, Budapest and Copenhagen. Places visited by the TU-104 are: Ankara, Bukarest, Bangkok, Warsaw, Delhi, Damascus, Jakarta, Cairo, London, New York, Pyongyang, Paris, Rangoon, Sofia, Sian, and Tirana. Among pilots and technicians responsible for the successful introduction of the new airliners, the following are mentioned: K. P. Sapelkin, V. A. Filonov, B. P. Bugayev, N. A. Usanov, I. V. Orlovets, K. P. Barabash, K. V. Beletskiy, G. A. Maslennikov, N. F. Nosov, B. A. Lashov, N. M. Mamayev, N. S. Metelkin, I. I. Petrakov. The plan quotas for 1957 were fulfilled by 16 December in terms of ton-km, and by 1 October in terms of passengers carried. The passenger turnover for the first 9 months of 1957 was 27.7

Card 1/4

84-58-1-3/32

Civil Aviation in 1958

percent higher than that for the entire year of 1956, and 69 percent higher than that of the corresponding period of 1956. Preliminary computations show a 25.7 percent increase in ton-kilometers, a 67.2 percent increase in passenger turnover, and a 21 percent increase in freight turnover in 1957 in comparison to 1956. Production in standard (adjusted) hours in special purpose aviation increased by 22 percent, and in agricultural applications it increased by 20 percent. The boost of passenger traffic is ascribed to reduction of fares and opening of new local (feeder) routes. Other achievements mentioned are reduction of costs, accumulation of savings, better regularity and safety of flights, improvement of service for passengers, more organized operation, and a tighter discipline among the personnel. The best territorial administrations and aviation groups were those under Sh. L. Chankotadze, P. T. Bobylev, K. D. Gorbunov, I. F. Nechitaylo, and I. Abdraimov. On the other hand, "serious shortcomings" have been observed. Establishments under P. S. Rasskazov, R. I. Barabokhin, and I. I. Avvakumov have not fulfilled their transportation quotas. Violations of regulations concerning organization and control of traffic, which sometimes resulted in accidents, occurred in units under P. S. Babeshko, G. P. Filanovskiy, V. A. Sedlyarevich, and N. P. Rad'ko. Much is left to be done to insure strict adherence to schedules. The State Plan for 1958 foresees a reduction of fares to the level of railroad coach, which will shift the basic passenger traffic to air.

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84-58-1-3/32

Civil Aviation in 1958

This goal demands a bolder and speedier transfer to turbo-jet and turboprop airliners. During 1958, the IL-18, AN-10 and TU-114 aircraft will be put into service, first on routes from Moscow to Petropavlovsk/ Kamchatka, Yakutsk, Tirana, and London. At the same time, helicopters designed by M. L. Mil' and N. I. Kamov will be available in numbers in mountainous and otherwise inaccessible areas, boosting the economy and living standards of these areas. A successful solution of these tasks depends much on the degree of preparedness of operational establishments to receive and operate the new equipment. Training of crews and technical specialists, and availability of maintenance and operational facilities are the main requirements for the introduction of the new aircraft. In conclusion, regularity and safety are once more stressed, and the example of superiors in adhering strictly to regulations and orders is made the major requirement. Much importance is attached also to preparation of crews for every flight and to post-flight discussions. The goals for 1958 include an increase in the total volume of transportation by 25.6 percent comprising a 27.6 percent increase in passenger turnover and a 17 percent increase in freight. Special purpose aviation is planned to increase its production in terms of standard (adjusted) hours by 5.5 percent. The agricultural operations quotas are stepped up 13 percent. The attainment of these goals depends much on the knowledge and evaluation of economic needs of every area or locality, and a close day-to-day check on quota fulfillment.

Card 3/4

84-58-1-3/32

Civil Aviation in 1958

Much work is planned on the construction of new airports and improvement of the existing airport facilities, the total appropriation for this purpose being one and one-half times that of 1957. Serious attention is drawn to the housing problem, with emphasis on local initiative. A decisive improvement in service for passengers is urged, and the airports of Barnaul, Ukhta, Magadan, Irkutsk, Khabarovsk, Kiyev, Adler, Rostov, Baku, and Vnukovo are criticized for different shortcomings in servicing passengers. The low level of performance and the need for an appropriate training program of the Traffic Department personnel are stressed. Finally, the important role of socialist competition is stressed, and its widening is urged in 1958 on the basis of new conditions worked out by the Collegium of the Main Administration of the GVF and the Central Committee of Aviation Workers Trade Unions. Henceforth the entire personnel is required to participate in the competition. Two photographs, showing the new TU-114 turboprop airliner and a fleet of TU-104, illustrate the text of the article.

AVAILABLE: Library of Congress

1. Aeronautics - USSR

Card 4/4

GORLOVSKIY, I.A.; AYZENBERG, Ye. S. [deceased]; VEDENOV, G.N.; ZHIGAREV, S.K.;
SHAPIRO, I.S.; EPSHTEYN, S.Z.

Technology of the production of ultramarine. Lakokras. mat.
i ikh prim. no.3:20-25 '61. (MIRA 14:6)
(Ultramarine)

TESNER, P.A.; MAKAROV, K.I.; YEFIMOV, L.I.; ZHIGAREV, B.V.;
KOROLEVA, K.A.; MASHKOV, A.N.

Obtaining nonoxidizing hot gas reducers from natural gas.
Gaz. prom. 8 no.9:38-43 S '63, (MIRA 17:8)

ZAKHARKIN, L.I.; ZHIGAREVA, G.G.

Alkaline cleavage of 1- and 4-cyclooctenecarboxylic acids to
azelaic acid. Izv. AN SSSR. Ser. khim. no.8:1497-1499 '65.
(MIRA 18:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; ZHIGAREVA, G.G.

Dimerization of isoprene on complex nickel catalysts. Izv.AN
SSSR. Ser.khim. no.1:168-169 Ja '64. (MIRA 17:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZAKHARKIN, L.I.; ZHIQAREVA, G.O.

Production of nitrocyclododecane and some of its conversions. Izv.
AN SSSR Otd.khim.nauk no.1:183-184 Ja '62. (MIRA 15:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Cyclododecane)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064810003-7

616-4-6

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064810003-7"

ZHIGAREVICH, I. A.

ZHIGAREVICH, I. A.; PUSHKARSKIY, S., red.; PAVLOVA, M. M., tekhn. red.

[Growing olives] Kul'tura masliny. Moskva, Gos. izd-vo sel'khoz.
lit-ry, 1955. 245 p. (MIRA 10:12)
(Olive)

ZHIGAREVICH, I.A. Cand Biol Sci -- (diss) "Agrobiological characteristics of the growth and fertility of ~~the~~ olive under the conditions of Apsheron (AzSSR) Baku, 1957. 34 pp 21 cm (^{Administration} Management of Sci, Min Agr ~~Science~~ AzSSR. Azerbaydzhan Sci Res Inst of ^{Horticulture,} Viticulture, Viniculture, and ^{Crops} Subtropical ~~cultures~~). 100 copies (KL,10-57, 103)

-5-

L 33287-66

ACC NR: AT6012792

SOURCE CODE: UR/3175/66/000/027/0149/0153

AUTHOR: Bortsov, V.D.; Zhigarlovskiy, I.M.

ORG: None

TITLE: Zero shift temperature compensator for a magnetometer with ferrosounding sensors

SOURCE: USSR. Gosudarstvennyy geologicheskii komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no, 27, 1966, 149-153

TOPIC TAGS: magnetometer, TEMPERATURE COEFFICIENT, TEMPERATURE CONTROL /
M-17 MAGNETOMETER

ABSTRACT: The paper describes a precision temperature compensating circuit for the M-17 magnetometer. The compensator was developed to improve the precision of the production model magnetometer, which has a temperature coefficient of over 2 gammas/°C for the applicable range of temperatures; a temperature coefficient under 1 gamma/°C is desired. The compensator decreases the instrument's temperature coefficient to under .1 - .2 gammas/°C. It is employed in combination with coarse compensation by thermomagnetic shunts. The compensator is essentially a Wheatstone bridge with a thermistor branch. The thermistor's resistance can be approximated by the relation:

$R_{ts} = A \cdot \exp(B/T)$ (1) where A & B are constants, and T is the absolute temperature. It can be seen that between 0 and 40°C, R_{ts} decreases practi-

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ACC NR: AT6012792

cally along a straight line. Therefore, a good compensation is achieved with the bridge connected parallel to the zero shifting circuit of the magnetometer, for the linearly changing portions of the magnetometer signal/temperature curve, i.e. left or right of t in Fig. 1. To expose such a linear portion at any temperature, the temperature of the curve maximum, t_0 , in Fig. 1 is shifted by magnetic shunts.

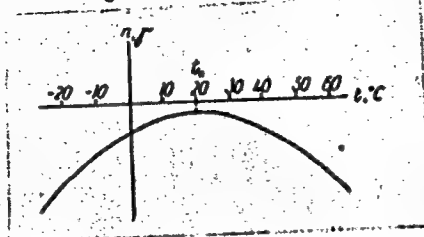


Fig. 1. Temperature error curve of the M-17 magnetometer

Orig. art. has 4 figures.

SUB CODE: 08/

SUBM DATE: None/

ORIG REF: 002

Card 2/2

SOBOLEV, B.P.; IVOLITOV, Ye.G.; ZHIGARENKOVIY, B.M.; GARASHINA, L.S.

Phase composition of the systems $\text{CaF}_2 - \text{YF}_3$, $\text{SrF}_2 - \text{YF}_3$,
and $\text{BaF}_2 - \text{YF}_3$. Izv. AN SSSR. Neorg. mat. 1 no.3:362-
368. Mar '65. (MIRA 18:6)

I. Institut obshchey i neorganicheskoy khimii imeni Kurnakova
AN SSSR.

USSR / Cultivated Plants. Commercial. Oil-Bearing. M-5
Sugar-Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25160

Author : Zhigarevich, I. A.

Inst : Azerbaydzhan S.R.I. of Subtropical Cultures and
Horticulture

Title : Pollinating Varieties for Standard and Prospective
Olive Varieties

Orig Pub: Byul. nauchno-tekhn. inform. Azerb. n.-1. in-ta
subtrop. kul'tur i sadovodstva, 1957, No 1, 18-26

Abstract: In tests conducted by the Azerbaydzhan Institute
of Subtropical Cultures and Horticulture in 1946-
1955 on the selection of pollinating varieties of
olive three varieties of pollination were chosen
for each variety being pollinated: cross-pollina-
tion, artificial self-pollination and natural

Card 1/2

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USSR / Cultivated Plants. Commercial. Oil-Bearing. M-5
Sugar-Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25160

Abstract: self-pollination. In the first variant pollination was made by with pollen of other varieties, in the second with pollen of the same variety, although from a different tree; in the third branches with inflorescences, isolated, produced natural self-pollination. A simplified method without emasculation of the buds was used in pollination, approaching natural conditions. Suggestions are given on the basis of the tests that 25 standard and prospective olive varieties prove suitable in selecting the pollinating varieties for Apsheron. -- A. M. Smirnov

Card 2/2

DYADECHKO, N , kand. biolog. nauk; ZHIGAYEV, G., kand. sel'skokhoz. nauk;
KOVTON, I., mladshiy nauchnyy sotrudnik

Bait potato plantings. Zashch. rast. ot vred. i bol. 10 no.12:
48 '65. (MIRA 19:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut zashchity rasteniy.

USSR / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No: 20916

Author : Zhigayev, G. N.

Inst : Not given

Title : Use of *Caenocrepis bothynoderi* Grom.
Against the Sugar Beet Weevil

Orig Pub : Zashchita rast. ot vredit. i bolezney, 1958,
No 2, 58

Abstract : In a field destined for the transplantation of sugar beet, in the autumn of 1955 a plowing with and without piling off at a depth of 22 cm was effected. In the spring of 1956, a part of this field was again used for sugar beet. In plowing with piling off, about 0.06 *Caenocrepis* per one m² was revived and, in plowing without piling off, 1.1

Card 1/3